

CALIFORNIA DEPARTMENT OF TRANSPORTATION
OFFICE OF STRUCTURES
FOR OFFICIAL USE ONLY

MAXIMUM CREDIBLE ROCK ACCELERATION
FROM
EARTHQUAKES IN CALIFORNIA

ROGER GREENSFELDER - CALIFORNIA DIVISION OF MINES AND GEOLOGY
1972

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LEGEND

POTENTIALLY ACTIVE FAULTS

? NAME (M) ?

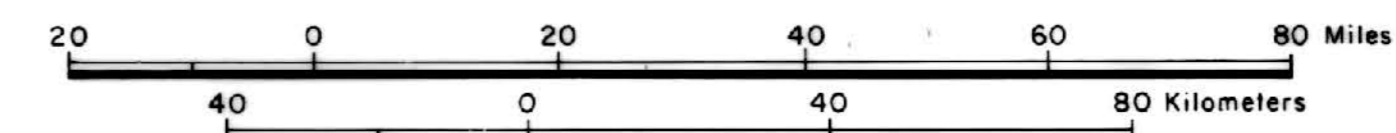
Approximately located.
Number in parentheses is the maximum expected earthquake magnitude for the fault.
Lines and arrows divide the San Andreas fault into four tectonic sections.
Queries at the ends of a fault indicate lack of strong evidence for its activity.

BEDROCK ACCELERATION CONTOURS

Units are decimal fractions of the acceleration of gravity, from 0.10g to 0.50g. (0.1g contour added by Department of Transportation for official use only.)
PREDOMINANT PERIOD OF BEDROCK ACCELERATIONS

Acceleration range	Predominant period
0.20g	0.35 seconds
0.1-0.2g	0.40 "

Mean duration of motion=20-30 seconds



THIS MAP IS TENTATIVE AND RELIES HEAVILY ON THE AUTHOR'S SUBJECTIVE EVALUATION OF FAULT ACTIVITY. IT IS INTENDED AS A TOOL FOR OFFICIAL USE ONLY. IT IS NOT INTENDED FOR DIRECT ENGINEERING USE WITHOUT CONSIDERATION OF FOUNDATION CONDITIONS AND TYPE OF STRUCTURE.

